

2006 ANNUAL ANALYSIS OF CEDAR & TOLT WATER SUPPLIES

Distribution Water Quality *(unless otherwise noted)*
 Samples Collected: June 6, 2006 *(unless otherwise noted)*

Tolt Distribution = Higher elevations North of the ship canal.

Cedar Distribution = South of the ship canal & lower elevations North of ship canal.

Water Quality Parameter	State Dept. of Health Maximum Contaminant Level	CEDAR	TOLT	Minimum Reporting Level
Primary Standards *	MCL			
Antimony	6 ug/L	ND	ND	0.2
Arsenic	50 ug/L	ND	ND	0.2
Asbestos \$	7 million fibers/L (>10um long)	ND	ND	0.2
Barium	2000 ug/L	1.6	2.3	1.0
Beryllium	4 ug/L	ND	ND	0.2
Bromate #	10 ug/L	ND (6/07/06)	ND (6/13/06)	5.0
Cadmium	5 ug/L	ND	ND	0.13
Chromium	100 ug/L	ND	ND	1.0
Cyanide	200 ug/L	ND	ND	10
Fluoride	4 mg/L	0.93	1.03	0.10
Haloacetic Acids(5), Total ~	60 ug/L	21	26	1.0
Mercury	2 ug/L	ND	ND	0.2
Nickel	100 ug/L	0.2	0.2	0.15
Nitrate-Nitrogen	10 mg/L	0.040	0.14	0.01
Nitrite-Nitrogen	1 mg/L	ND	ND	0.002
Selenium	50 ug/L	ND	ND	0.8
Thallium	2 ug/L	ND	ND	0.2
Trihalomethanes, Total~	80 ug/L	31	40	0.5
Turbidity #	5 NTU for Cedar/ 0.30 NTU for Tolt	0.45	0.11	0.05
Secondary Standards **	SMCL			
Aluminum	50 - 200 ug/L	12	28	1.0
Chloride	250 mg/L	3.5	3.8	0.5
Color	15 std. units	ND	ND	5.0
Fluoride	2 mg/L	0.93	1.03	0.10
Iron	0.3 mg/L	0.114	0.015	0.004
Manganese	50 ug/L	5.8	ND	1.0
pH, range ++	6.5 - 8.5 pH units	7.90 - 8.52	8.17 - 8.62	NA
Silver	100 ug/L	ND	ND	0.2
Solids, Total Dissolved	500 mg/L	40.0	43.0	5.0
Specific Conductance	700 umhos/cm	64.1	66.4	5.0
Sulfate	250 mg/L	ND	1.1	1.0
Zinc	5000 ug/L	ND	ND	0.8
Other Parameters	Units			
Alkalinity, Total (as CaCO3)	mg/L	18.5	18.7	2.0
Bromide (Collected 2/28/06)	ug/L	ND	ND	5
Calcium, (as CaCO3)	mg/L	22.6	26.9	2.0
Copper, Source water	ug/L	1.1	ND	1.0
Hardness, (as CaCO3)	mg/L	26.7	28.6	2.0
Hardness, (as CaCO3)	grains/gal.	1.54	1.65	0.1
Lead, Source water	ug/L	ND	ND	1.0
Magnesium	mg/L	1	0.41	0
Oxygen, Dissolved	mg/L	11.0	16.6	0.5
Phosphate, soluble-reactive	ug/L	ND	ND	2
Potassium	mg/L	0.25	0.14	0.02
Silica, Reactive	mg/L	8.10	5.79	1.0
Sodium	mg/L	1.91	1.78	0.08
Temperature, normal annual range	deg. C.	5 - 20	5 - 20	NA
Total Organic Carbon #	mg/L	0.93	0.95	0.20
Residential Survey @	Action Level	Combined System		
1st Round 2005 Lead	15 ug/L	6.0		1.0
2nd Round 2005 Lead		5.0		
1st Round 2005 Copper		150		1.0
2nd Round 2005 Copper	1300 ug/L	120		

Primary and Secondary Standards were measured at the Intake to the distribution system after treatment.

* Health stds.: Supplier subject to public notification.

** Aesthetic stds.: Supplier not subject to public notification.

~ Average of the last 4 quarters testing, through 6/06.

ND = Not Detected at or above the Minimum Reporting Level

@ Measured at 90th percentile of overnight standing residential samples from homes with copper pipes and lead solder.

++ January-June 2006, 10-90th percentile

\$ Test results 12/15/95 - To be analyzed by 2007.

As measured at treatment plant.

1 ppm = 1 mg/L = 1000 ug/L

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http://www.seattle.gov/util/About_SPU/Water_System/Water_Quality/index.asp